

AMENDMENT

Please amend the pending application in accordance with the following particulars.

In the Claims

The claims are amended as shown on the following pages under the heading LIST OF CURRENT CLAIMS. The list shows the status of all claims presently in the application and is intended to supersede all prior versions of the claims in the application. Any cancellation of claims is made without prejudice or disclaimer.

LIST OF CURRENT CLAIMS

Claim 1 (Currently Amended). ~~Compressor~~ A compressor, containing a compressor element, and (1) comprising: a rotor chamber (2) connected to an inlet pipe (3) and an outlet pipe (4); a reservoir (7) in communication with the outlet pipe (4); a pressure regulating system (8) including an inlet valve (9) associated with the inlet pipe (3); a piston (23) connected to the inlet valve (9) and which is movable in a cylinder to open and close the inlet valve without the use of a spring acting on the piston (24); a bridge (14) bridging said inlet valve (9) and in which, between the inlet pipe (3) and the rotor chamber (2), are successively mounted a gas stream limiter (15) and a non-return valve (16) which only admits gas into the rotor chamber (2); a gas pipe (17) connecting the reservoir (7) to ~~[[the]]~~ a part of the bridge (14) situated between the gas stream limiter (15) and the non-return valve (16); and a relief valve (18) associated with said gas pipe (17), wherein the piston (23) is a double-acting piston which divides the cylinder (24) into ~~two~~ first and second closed cylinder chambers (25, 26); the first cylinder chamber (25), on a first side of the piston facing away from the inlet valve, is connected to a part (13) of the rotor chamber (2) located near the inlet valve (9) via a first pipe, wherein the connection is always open (28); and on ~~the other~~ a second side of the piston (23), the second cylinder chamber (26) is connected to a part (13) of the rotor chamber (2) situated near the inlet valve (9) and to the non-return valve (16) via a second pipe (29).

Claim 2 (Currently Amended). ~~Compressor~~ The compressor according to claim 1, wherein the first pipe (28) connecting the first cylinder chamber (25) on the first side which is turned away from the inlet valve (9) to a part (13) of the rotor chamber (2) situated near the inlet valve (9) ~~as such~~ forms the connection (27) between the piston (23) and the inlet valve (9).

Claim 3 (Currently Amended). ~~Compressor~~ The compressor according to claim 2, wherein the connection between the piston (23) and the inlet valve (9) comprises a stem (27) provided with a duct (34) extending over its entire length.

Claim 4 (Currently Amended). ~~Compressor~~ The compressor according to claim 1, wherein the relief valve (18) comprises a pneumatic valve which is equipped with a spring (21) and which is connected by a pipe (22) which is directly connected to the reservoir (7) and a control line (20) which is also connected to said reservoir (7) via a control valve (19).

Claim 5 (Currently Amended). ~~Compressor~~ The compressor according to claim 4, wherein the control valve (19) is an electromagnetic valve.

Claim 6 (Currently Amended). ~~Compressor~~ The compressor according to claim 1, wherein the inlet valve (9) includes a housing (12) forming a common housing (30) with the cylinder (24).